

# PATENT ABSTRACTS OF JAPAN

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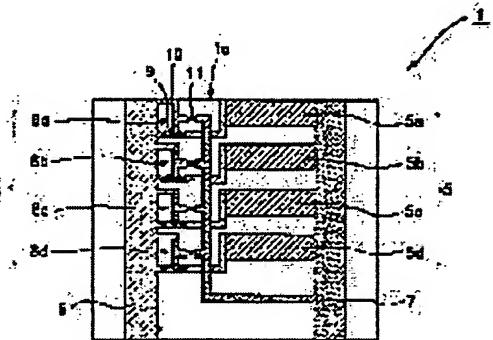
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## (54) MAGNETORESISTIVE EFFECT MAGNETIC HEAD

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a magnetoresistive effect magnetic head which can operate stably for a long time even if an MR element is worn by sliding on magnetic recording media.

**SOLUTION:** Plural MR elements 5 are arranged in parallel almost at right angles to a medium slide surface 1a and the gate voltage of a thin-film transistor 9 is varied according to the resistance ratio of a variable resistance 10 varying in resistance with the abrasion loss and a fixed resistance 11 and a supply current to turn ON and OFF the thin-film transistor 9, thereby selecting an MR element 5 to be used according to the abrasion loss.



## LEGAL STATUS

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